Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

number

|       | Substitute for form | 1449/PTO      |                        | Complete if Known | ON BE          |
|-------|---------------------|---------------|------------------------|-------------------|----------------|
|       | INFORMATION DIS     | SCLOSURE      | Application Number     | 10/655,372        | 70             |
|       | STATEMENT BY A      | PPLICANT      | Filing Date            | 09/05/2003 /      | 7000           |
|       | Date Submitted: Aug | auet 1 2007   | First Named Inventor   | Masanao SAKAI     | AUG 0 1 2007 W |
|       | Date Submitted. Au  | gust 1, 2007  | Art Unit               | 2135              | 2              |
|       | (use as many sheets | as necessary) | Examiner Name          | Pan, Joseph T.    | 10/            |
| Sheet | 1                   | of 1          | Attorney Docket Number | 053969-0157       | TRADENAL!      |

| U.S. PATENT DOCUMENTS |      |  |                  |                                  |  |  |  |  |  |
|-----------------------|------|--|------------------|----------------------------------|--|--|--|--|--|
| Examiner              | Cite | Document Number                          | Publication Date | Name of Patentee or Applicant of | Pages, Columns, Lines,<br>Where Relevant |  |  |  |  |
| Initials*             | No.1 | Number-Kind Code <sup>2</sup> (if known) | MM-DD-YYYY       | Cited Document                   | Passages or Relevant<br>Figures Appear   |  |  |  |  |
| /JP/                  | D1   | 2001/0042201A1                           | 11-15-2001       | YAMAGUCHI et al.                 |  |  |  |  |  |
|                       |      |  |                  |                                  |  |  |  |  |  |

| UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS |              |  |  |   |  |  |  |  |  |
|---|--------------|--|--|---|--|--|--|--|--|
| Examiner<br>Initials*                         | Cite<br>No.1 | U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known) | Filing Date of<br>Cited Document<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |  |  |  |  |
|   |              |  |  |   | · ·  |  |  |  |  |

|                       |              |  | FOREIGN PATENT                 | DOCUMENTS   |  |                |
|-----------------------|--------------|--|--------------------------------|---|--|----------------|
| Examiner<br>Initials* | Cite<br>No.1 | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> Kind<br>Code <sup>5</sup> ( <i>if known</i> ) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Documents | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
| /JP/                  | D2           | JP 2002-217896A  | 08-02-2002                     | MATSUSHITA ELECTRIC                                 |  | Α              |
| /JP/                  | D3           | JP 2001-298449A  | 10-26-2001                     | MATSUSHITA ELECTRIC IND. CO. LTD.                   |  | Α              |
|                       |              |  | <u> </u>                       |   |  |                |

|                    |              | NON PATENT LITERATURE DOCUMENTS  |                |
|--------------------|--------------|--|----------------|
| Examiner Initials* | Cite<br>No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
| -                  |              |  |                |
| :                  |              |  |                |
|                    |              |  |                |
|                    |              |  |                |

| Examiner<br>Signature | /Joseph Pan/ | <br>Date<br>Considered | 08/23/2007 |
|-----------------------|--------------|------------------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

| number. |                                  |             | OIPE             |                        |                   |                |
|---------|----------------------------------|-------------|------------------|------------------------|-------------------|----------------|
|         | Substitute for                   | form 1449B/ | PTØ              |                        | Complete if Known |                |
| :       | INFORMATIO                       | N DISCLO    | SUREOCT 2 0 2005 | Application Number     | 10/655,372        | <del>-</del> ' |
|         | STATEMENT                        | BY APPLI    | CANT 2 2005      | Fi)ing Date            | 9/5/2003          |                |
|         | Date Submitted: October 20, 2005 |             |                  | First Named Inventor   | Masanao SAKAI     |                |
|         |                                  |             |                  | Group Art Unit         | 2131              |                |
| <u></u> | (use as many si                  | heets as ne | COSSON PADEMARY  | Examiner Name          | Unknown           | •              |
| Sheet   | 1                                | of          | 1                | Attorney Docket Number | 053969-0157       |                |

|                       | U.S. PATENT DOCUMENTS    |             |   |  |                           |  |  |  |  |  |
|-----------------------|--------------------------|-------------|---|--|---------------------------|--|--|--|--|--|
|                       |                          | U.S. Patent | Document                                |  | Date of Publication of    | Pages, Columns, Lines,                             |  |  |  |  |
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Number      | Kind<br>Code <sup>2</sup> (if<br>known) | Name of Patentee or Applicant of<br>Cited Document | Cited Document MM-DD-YYYY | Where Relevant Passages or Relevant Figures Appear |  |  |  |  |
|                       |                          |             | ļ                                       |  |                           |  |  |  |  |  |
|                       |                          |             |   |  |                           |  |  |  |  |  |
|                       |                          |             |   |  |                           |  |  |  |  |  |
|                       |                          |             |   | <del> </del>                                       |                           |  |  |  |  |  |
|                       |                          |             |   |  |                           |  |  |  |  |  |
|                       |                          |             |   |  |                           | 7 toe i 0  |  |  |  |  |

|                       | FOREIGN PATENT DOCUMENTS |              |  |  |   |  |  |     |  |  |
|-----------------------|--------------------------|--------------|--|--|---|--|--|-----|--|--|
| Examiner<br>Initials* | Cite<br>No.1             | Fr<br>Office | oreign Patent D<br>3 Number <sup>4</sup> | ocument<br>Kind Code <sup>5</sup><br>( <i>if known</i> ) | Name of Patentee or<br>Applicant of Cited Documents | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | Т8. |  |  |
| /JP/                  | C1                       | wo           | 99/67930                                 | A2   | SSH Communications<br>Security Ltd.                 | 12/29/1999   |  |     |  |  |
|                       |                          |              |  |  |   |  |  |     |  |  |
|                       |                          |              |  |  |   |  |  | +   |  |  |
|                       |                          |              |  |  |   |  |  |     |  |  |
| •                     |                          |              |  |  |   |  |  | 1   |  |  |
|                       |                          |              |  |  |   |  |  | +   |  |  |

|                       |                          | NON PATENT LITERATURE DOCUMENTS  |  |
|-----------------------|--------------------------|--|--|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup>                                   |
|                       |                          |  |  |
|                       |                          |  |  |
| •                     |                          |  | <del>                                     </del> |
|                       |                          |  |  |

|   | Examiner<br>Signature | /Joseph Pan/    | Date<br>Considered | 08/23/2007 |
|---|-----------------------|-----------------|--------------------|------------|
| Į | Signature             | 70000pii i aiii | Considered         | 00/23/2007 |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

¹ Unique citation designation number. ¹See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¹For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WiPO Standard ST. 16 If possible. ⁴Applicant is to place a check mark here If English language Translation is attached.

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

| na <u>mber.</u> | · · · · · · · · · · · · · · · · · · · |        |          |                        |                   |               |
|-----------------|---------------------------------------|--------|----------|------------------------|-------------------|---------------|
|                 | Substitute for form                   | 1449B  | /PTO     |                        | Complete if Known | OIPE          |
|                 | INFORMATION DI                        | SCLO   | SURE     | Application Number     | 10/655,372        |               |
|                 | STATEMENT BY                          | APPLI  | ICANT    | Filing Date            | 9/5/2003 /        | <u>.g/</u>    |
|                 | Date Submitted: J                     | una O  | 2005     | First Named Inventor   | Masanao SAKAI p   | JUN 0 9 2005  |
| •               | Date Submitted. J                     | une 9, | , 2003   | Group Art Unit         | 2131              |               |
|                 | (use as many sheets                   | as ne  | cessary) | Examiner Name          | Unknown           | 3             |
| Sheet           | 1                                     | of     | 1        | Attorney Docket Number | 053969-0157       | * NATIONAL BY |

|                       |                          |                      |   | U.S. PATENT DOCUMENTS                           | 5                            |  |
|-----------------------|--------------------------|----------------------|---|---|------------------------------|--|
| Evenine               | Cita                     | U.S. Patent Document |   | None of Detector of April 1                     | Date of Publication of       | Pages, Columns, Lines,<br>Where Relevant |
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Number               | Kind<br>Code <sup>2</sup> (if<br>known) | Name of Patentee or Applicant of Cited Document | Cited Document<br>MM-DD-YYYY | Passages or Relevant<br>Figures Appear   |
| /JP/                  | B1                       | 6,253,321            | B1                                      | Nikander et al.                                 | 06/26/2001                   |  |
| /JP/                  | B2                       | 2001-0042204         | A1                                      | Blaker et al.                                   | 11/15/2001                   |  |
|                       |                          |                      |   |   |                              |  |
|                       |                          |                      |   |   |                              |  |
|                       |                          |                      |   |   |                              |  |
|                       |                          |                      |   |   |                              |  |
|                       |                          |                      |   |   |                              |  |

|                       |                          |                         |                                      |   | DREIGN PATENT DOCUMEN                               |  |  |                 |
|-----------------------|--------------------------|-------------------------|--------------------------------------|---|---|--|--|-----------------|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | For Office <sup>3</sup> | eign Patent C<br>Number <sup>4</sup> | ocument<br>Kind Code <sup>5</sup><br>(if known) | Name of Patentee or<br>Applicant of Cited Documents | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T*              |
|                       |                          |                         |                                      |   |   |  | ······································   | T               |
|                       |                          |                         |                                      |   |   |  |  | †               |
|                       |                          |                         |                                      |   |   |  |  | 1               |
|                       |                          |                         |                                      |   |   |  |  | $\uparrow \neg$ |
|                       |                          |                         |                                      |   |   | •  |  | <b>†</b>        |
|                       |                          |                         |                                      |   |   |  |  | $\vdash$        |

|                       |  | NON PATENT LITERATURE DOCUMENTS |  |  |  |
|-----------------------|--|---------------------------------|--|--|--|
| Examiner<br>Initials* |  |                                 |  |  |  |
|                       |  |                                 |  |  |  |
|                       |  |                                 |  |  |  |
|                       |  |                                 |  |  |  |
|                       |  |                                 |  |  |  |

| Examiner Signature /Joseph Pan/ Date Considered 08/23/2007 | - 4 | <br>         |       | · · · · · · · · · · · · · · · · · · · |            |
|--|-----|--------------|-------|---------------------------------------|------------|
|  | Į   | /Joseph Pan/ | ·   C | · ·                                   | 08/23/2007 |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

MODIFIED PTO/SB/08 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| Under the Pa | perwork Reduction | Act or 1995, no persons are | required to respond to a collection of inform | mation unless it contains a valid OMB control number. |
|--------------|-------------------|-----------------------------|---|---|
|              | Substitute for    | r form 1449B/PTO            |   | Complet if Known                                      |
|              | INFORMATIO        | ON DISCLOSURE               | Application Number                            | Unassigned  |
|              | STATEMENT         | BY APPLICANT                | Filing Date                                   | 09/05/2003  |
|              | Date Submitted    | September 5 2003            | First Nam d Inv ntor                          | Masanao SAKAI   |
|              |                   | . 00010111201 0 2000        | Group Art Unit                                | Unassigned  |
|              | (use as many s    | heets as necessary)         | Examiner Name                                 | Unassigned  |
| Sheet        | 1                 | of 1                        | · Attorney Docket Number                      | 053969-0157   |

| U.S. PATENT DOCUMENTS |              |               |   |  |                           |  |  |  |
|-----------------------|--------------|---------------|---|--|---------------------------|--|--|--|
| Examiner<br>Initials* | Cite<br>No.¹ | U.S. Patent D | ocument                                 |  | Date of Publication of    | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |  |  |
|                       |              | Ņumber        | Kind<br>Code <sup>2</sup> (if<br>known) | Name of Patentee or Applicant of<br>Cited Document | Cited Document MM-DD-YYYY |  |  |  |
| /JP/                  | A1           | 2001/0042201  | A1                                      | YAMAGUCHI et al.                                   | 11-15-2001                |  |  |  |
|                       |              |               |   |  |                           |  |  |  |
|                       |              |               |   |  |                           |  |  |  |
|                       |              |               |   |  |                           |  |  |  |
|                       |              |               |   |  |                           |  |  |  |
|                       | <u> </u>     |               |   |  |                           |  |  |  |
|                       | ļ            |               | <u> </u>                                |  | l                         |  |  |  |

| ;                     |                          |       |   | FC   | REIGN PATENT DOCUMEN                                | TS   |  |               |
|-----------------------|--------------------------|-------|---|--|---|--|--|---------------|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Offic | Foreign Patent Do<br>e <sup>3</sup> Number <sup>4</sup> | cument<br>Kind Code <sup>5</sup><br>(if known) | Name of Patentee or<br>Applicant of Cited Documents | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T             |
| /JP/                  | A2                       | JP    | 2001-298449   |  | MATSUSHITA ELECTRIC<br>IND. CO. LTD.                | 10-26-2001   |  | Α             |
|                       |                          |       |   |  |   | ·  |  |               |
|                       |                          |       |   |  |   |  |  | <del> -</del> |
|                       |                          |       |   |  |   |  |  |               |

|                       |                          | NON PATENT LITERATURE DOCUMENTS  |  |
|-----------------------|--------------------------|--|--|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |
|                       |                          |  |  |
|                       |                          |  |  |
|                       |                          |  |  |

| Examiner<br>Signature | /Joseph Pan/ | Date<br>Considered | 08/23/2007 |
|-----------------------|--------------|--------------------|------------|

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.